

**Table S1** Primers used for qRT-PCR assays in tomato.

Gene name	Accession numbers	Forward primer	Reverse primer
<i>actin</i>	SI03g078400	5'-TGGTCGGAATGGGA CAGAAG-3'	5'-CTCAGTCAGGAGAAC AGGGT-3'
<i>APX1</i>	SI06g005160	5'-GACTCTTGGAGCCC ATTAGG-3'	5'-AGGGTGAAAGGGAA CATCAG-3'
<i>ATG6</i>	SI05g050390	5'-CCCATGCAGTCAAA CAATTC-3'	5'-CCCTCATGCATTCAA GACAC-3'
<i>ATG8c</i>	SI03g031650	5'-TTGGCCAATTTGTT TACGTT-3'	5'-AAAGGAATCCGTCTT CATCC-3'
<i>ATG12</i>	SI12g049310	5'-GTGTATGTCAACAG CGCCTT-3'	5'-AAACAACCAGGAGTT CTCAGC-3'
<i>ATG18h</i>	SI07g064060	5'-GGCTAAATACAGTG AGCAATG-3'	5'-GTGAAAATCAGCAGC AAGAAC-3'
<i>CAT1</i>	SI12g094620	5'-TGATCGCGAGAAGA TACCTG-3'	5'-CTTCCACGTTTCATGGA CAAC-3'
<i>DHAR</i>	SI05g054760	5'-CCCTGATGTCCTTG GAGACT-3'	5'-AAGAACCATTTGGGC TTGTC-3'
<i>Fe-SOD</i>	SI06g048410	5'-TAAATAGAGACTTT GGTTCC-3'	5'-TATATTTGCCTCTTAA CCCT-3'
<i>HSP21</i>	SI03g082420	5'-AAATGTTAGCTGTG GTG-3'	5'-GGTTGTTTCCTCCTTG A-3'
<i>HSP70</i>	SI11g020040	5'-ATCCCGGTATTCTT TCTGTCA-3'	5'-GAGCCTTATCTCCCA ACTCT-3'